

Figure 1

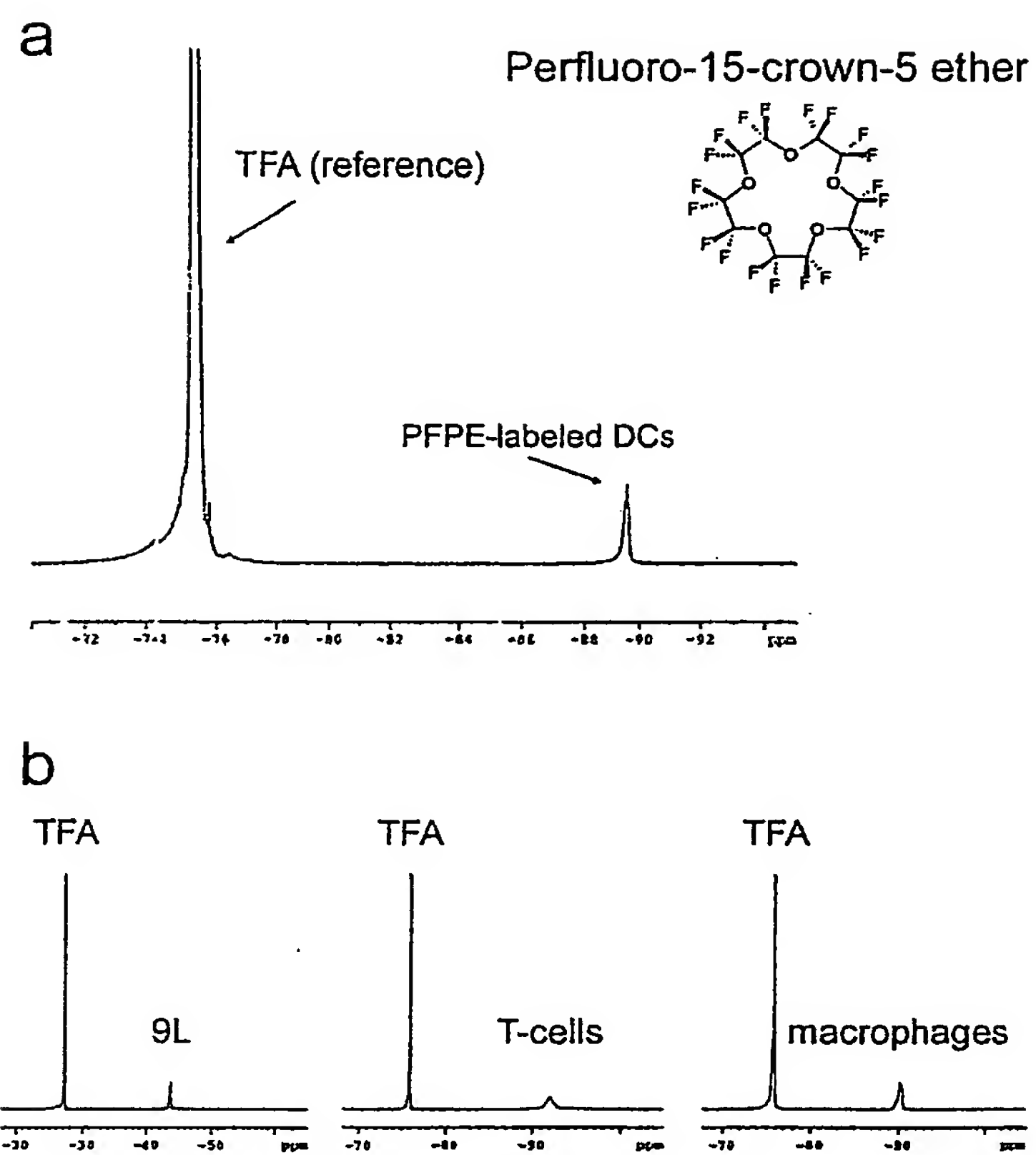


Figure 2

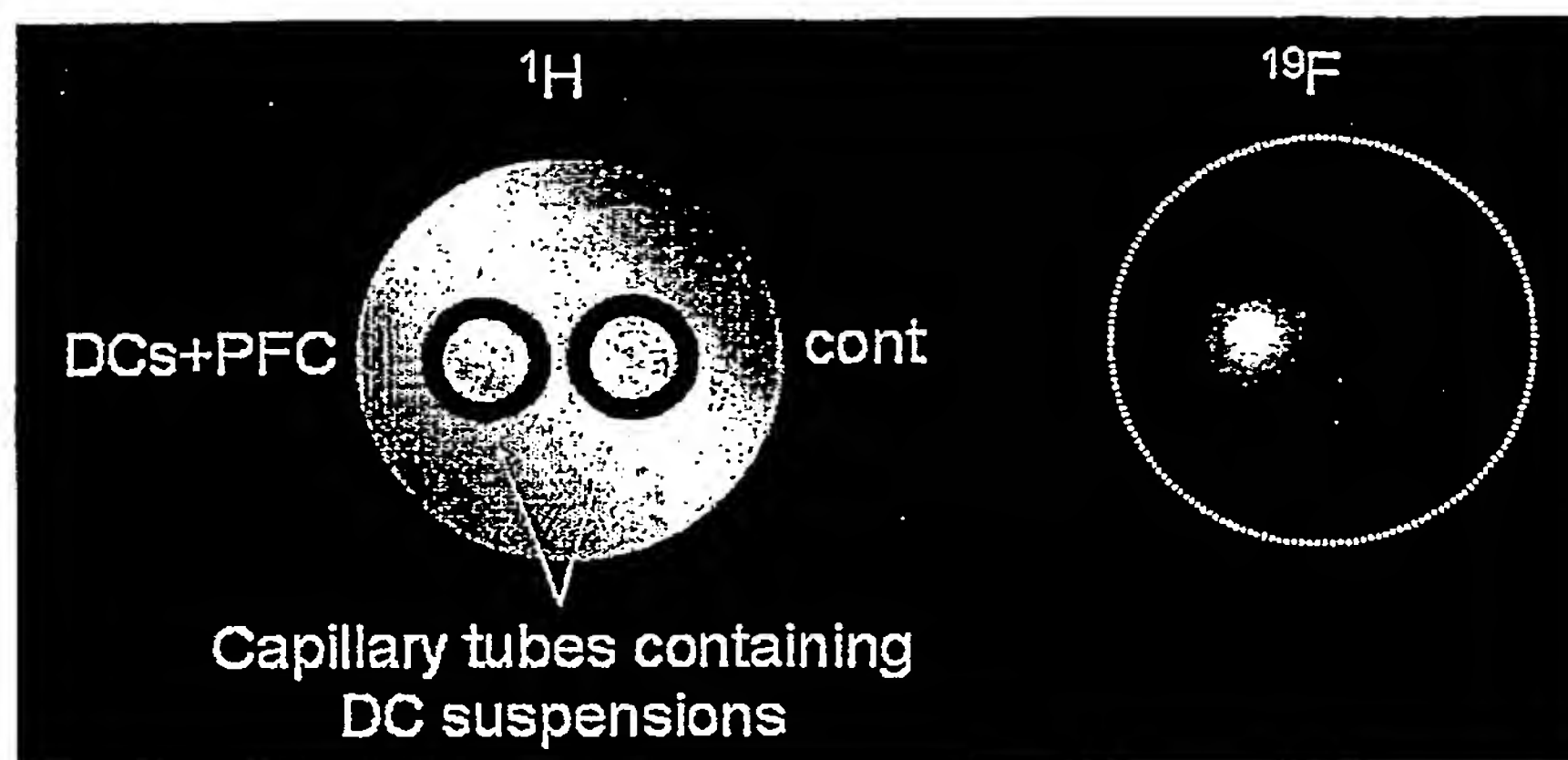


Figure 3

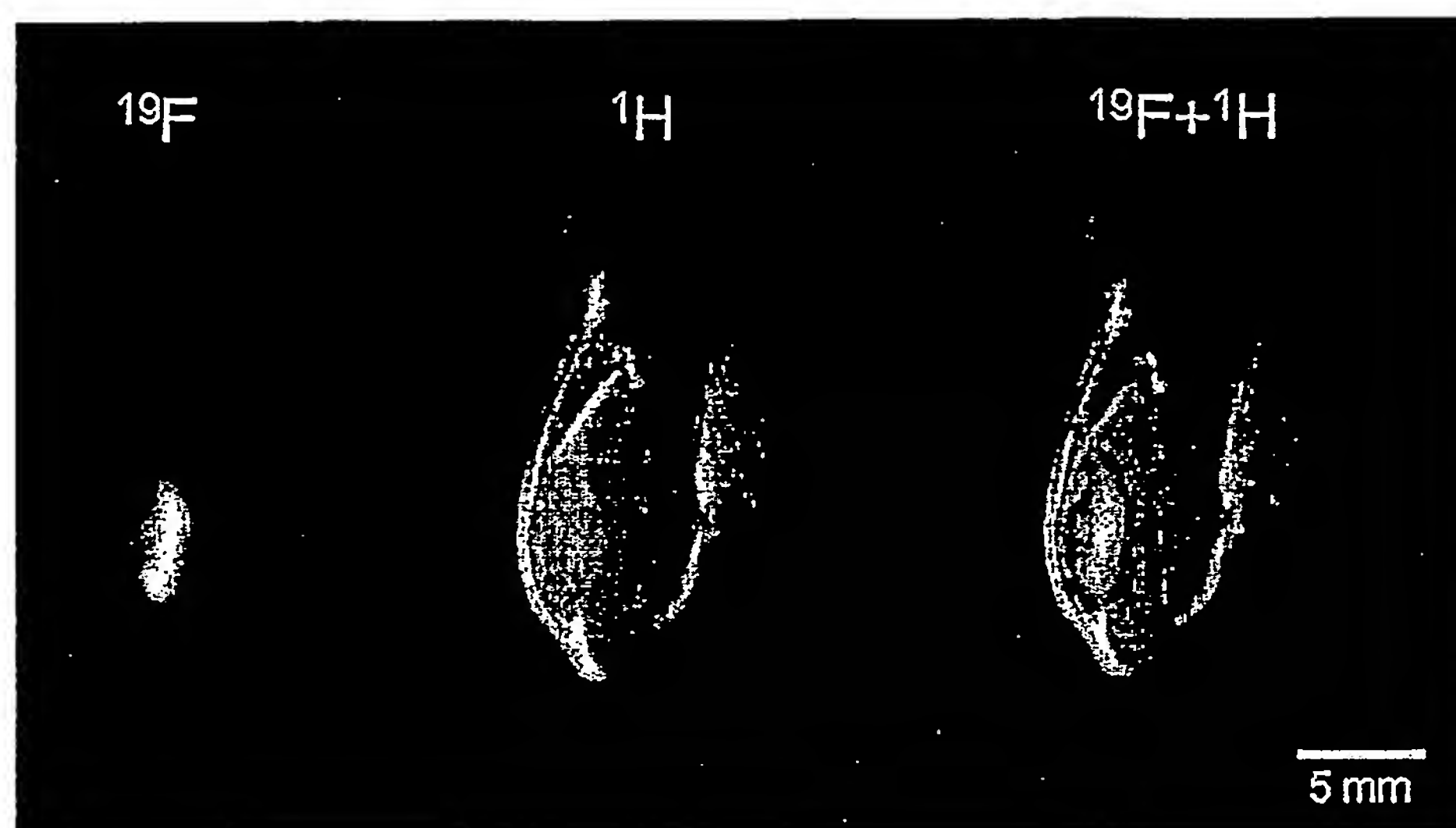


Figure 4

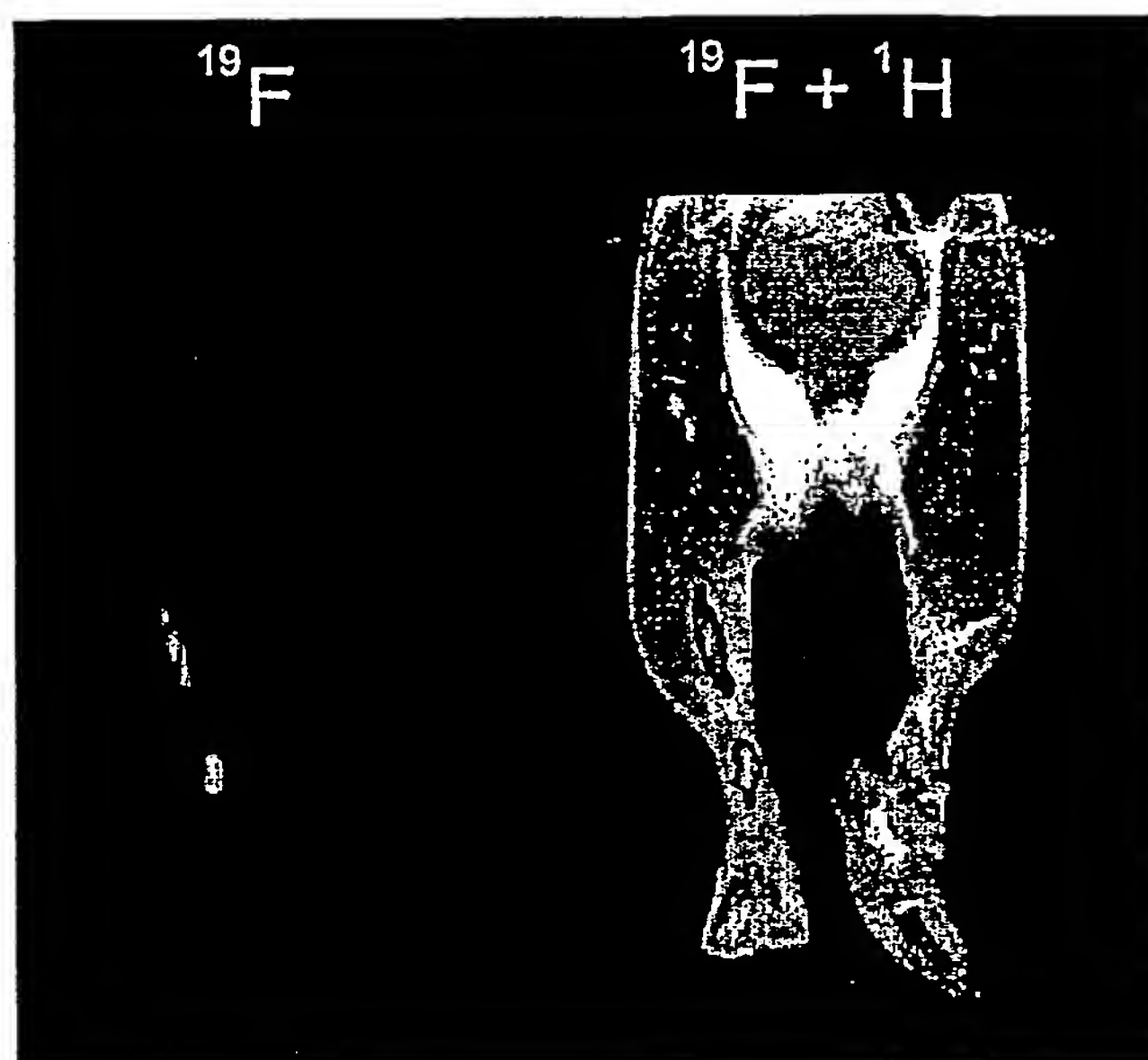


Figure 5

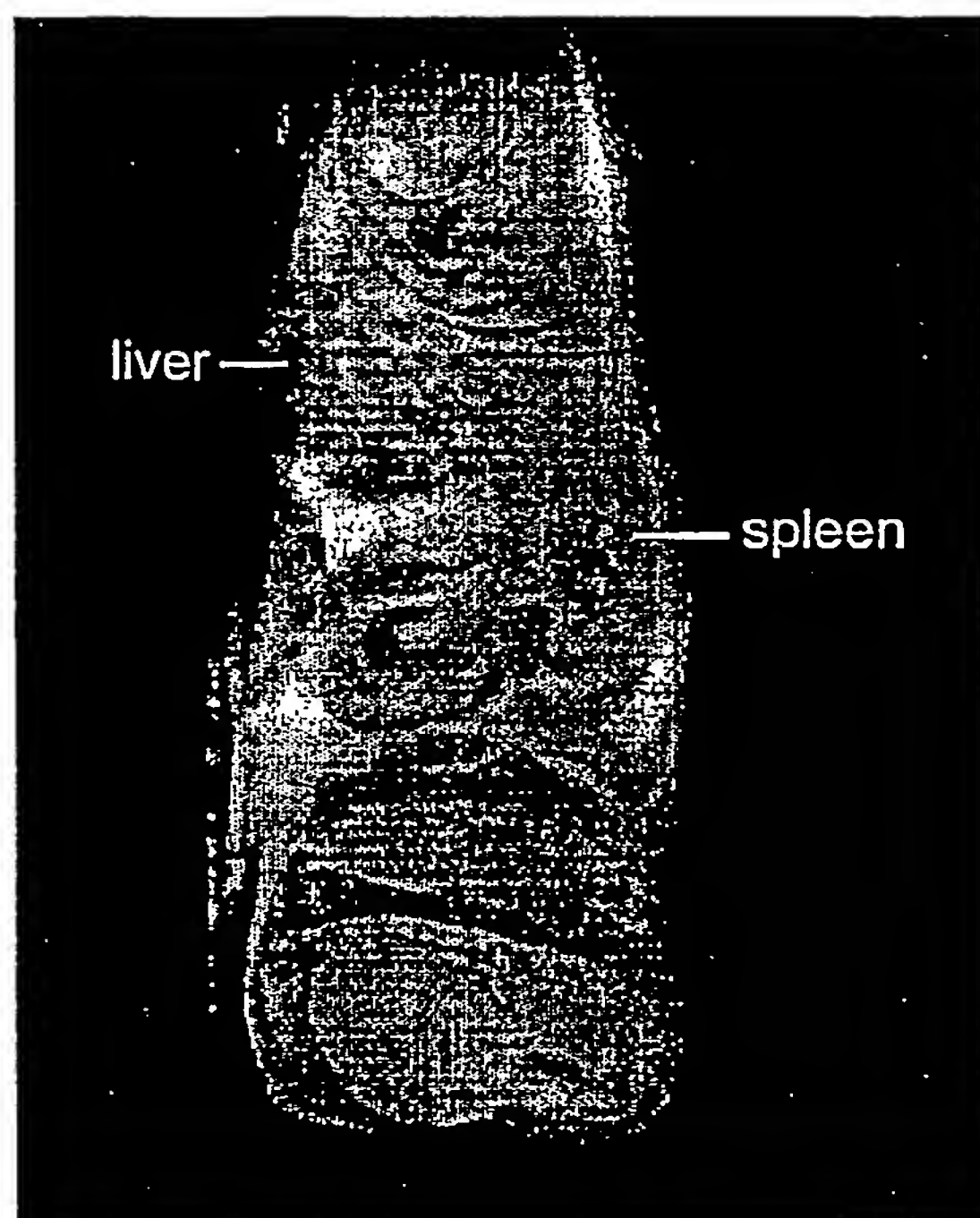
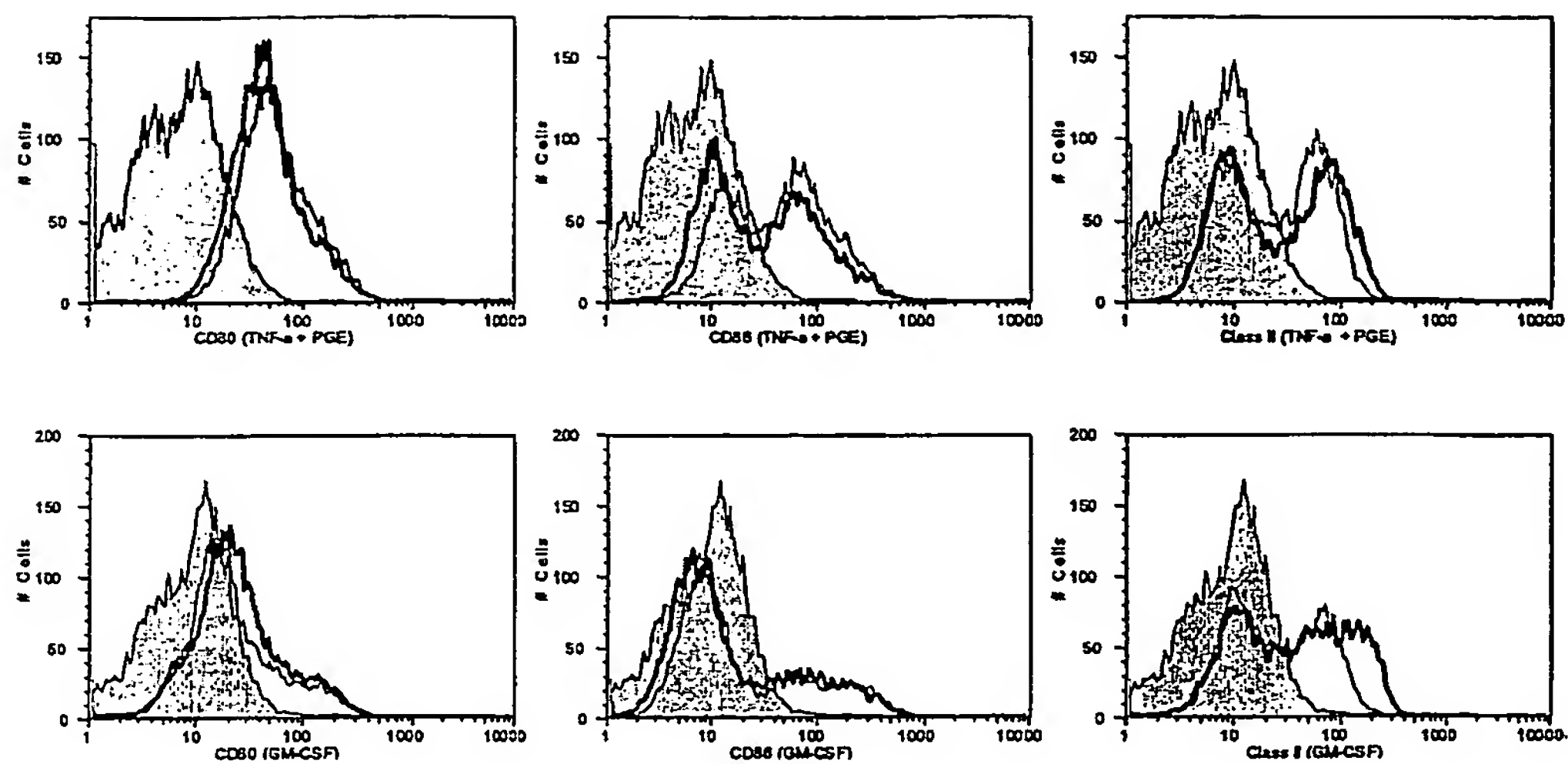


Figure 6



**Figure 7**

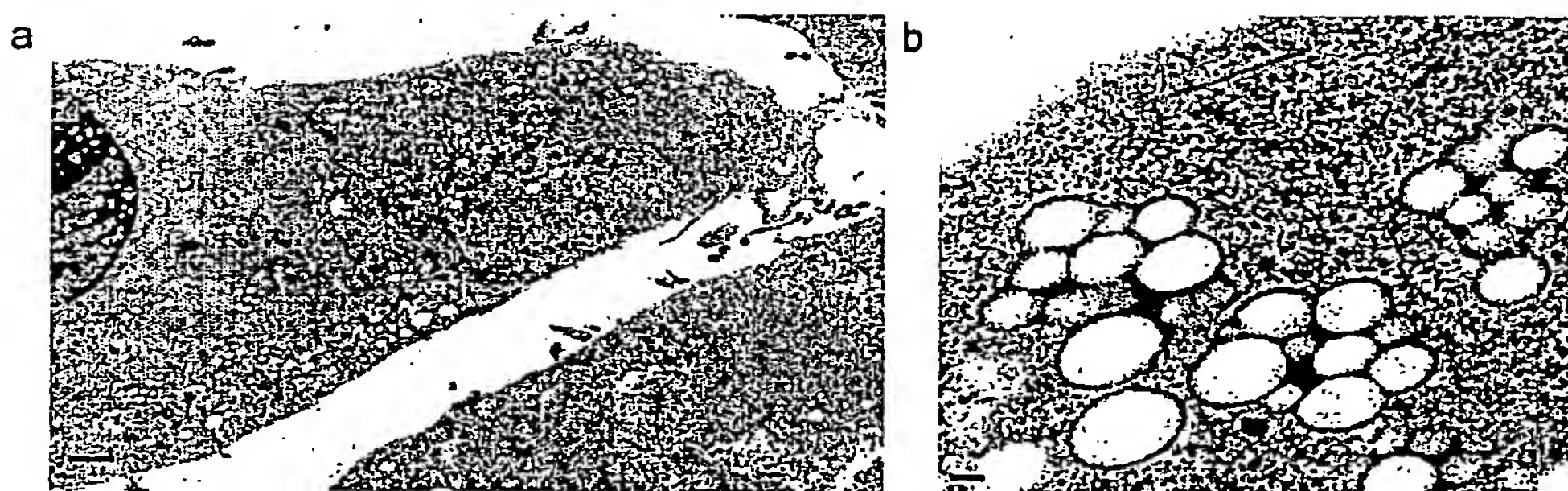


Figure 8

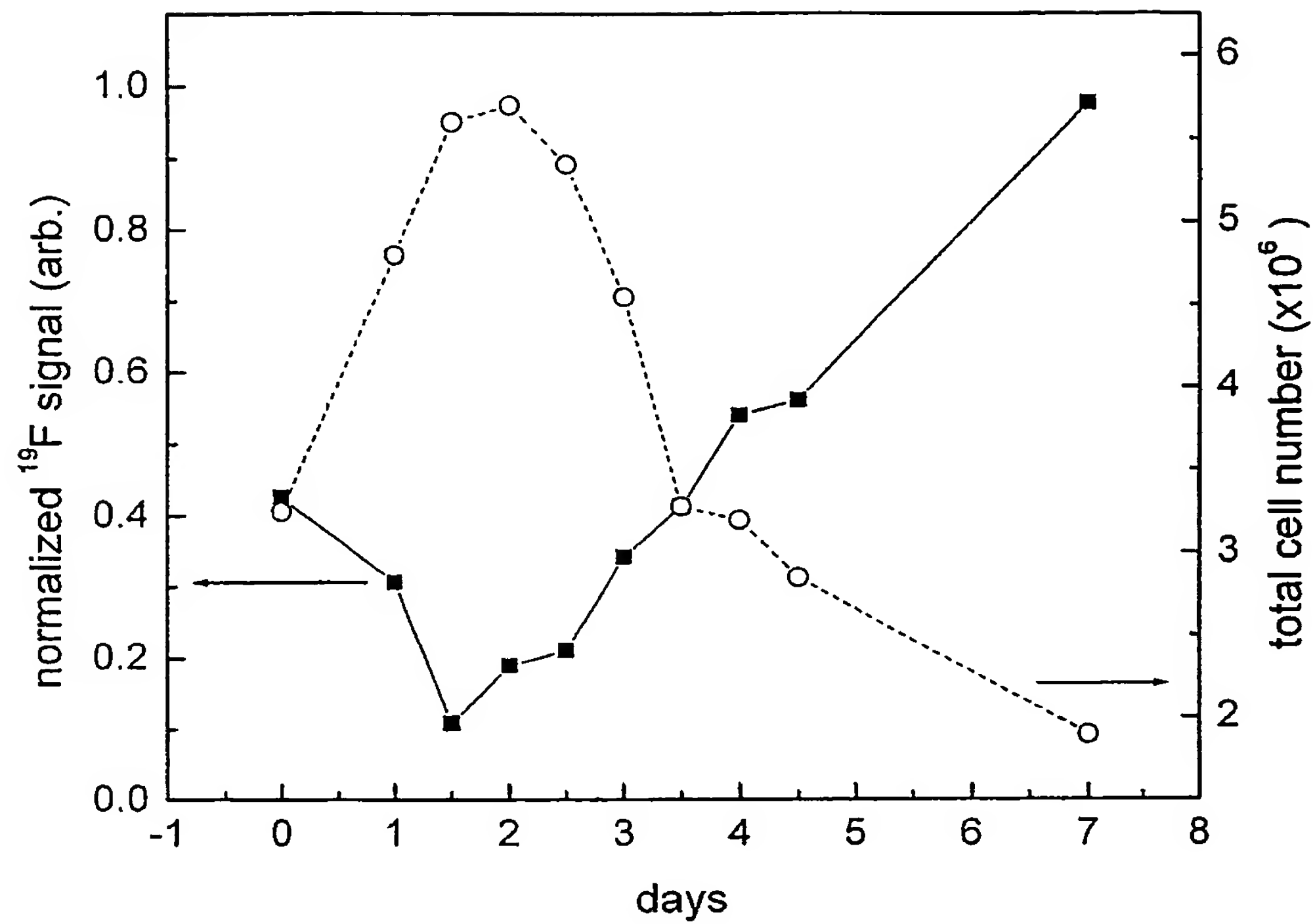




Figure 9

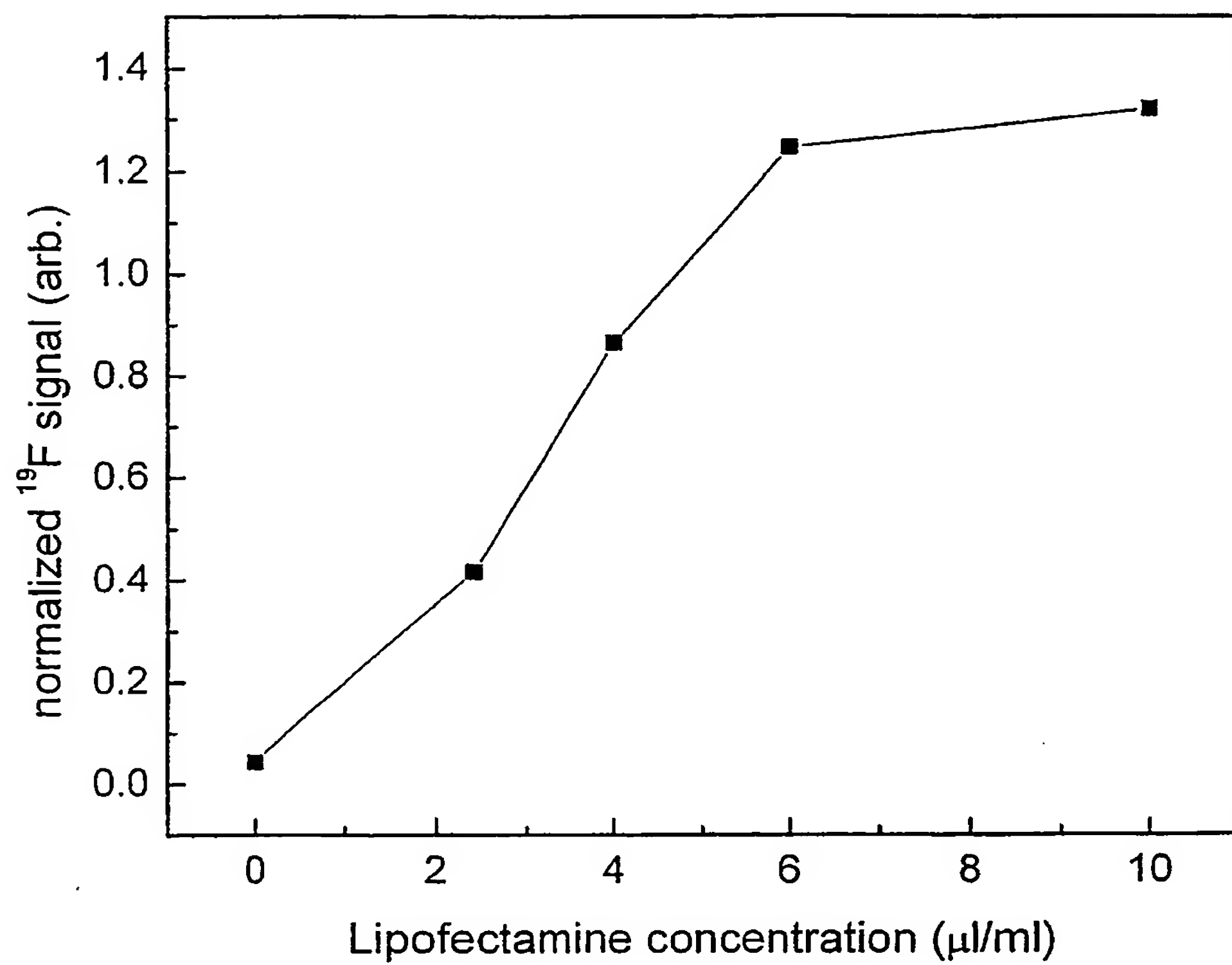


Figure 10

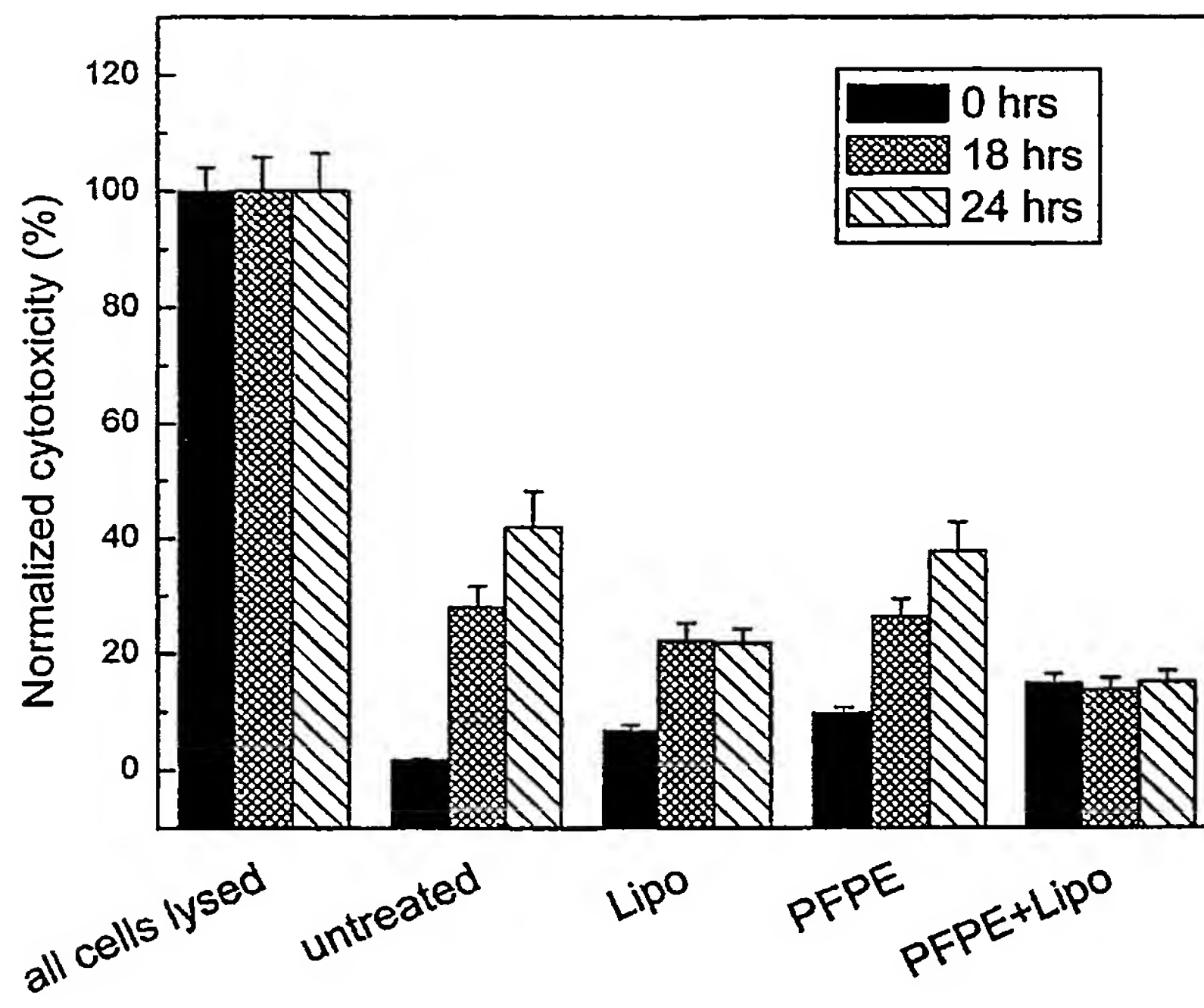


Figure 11

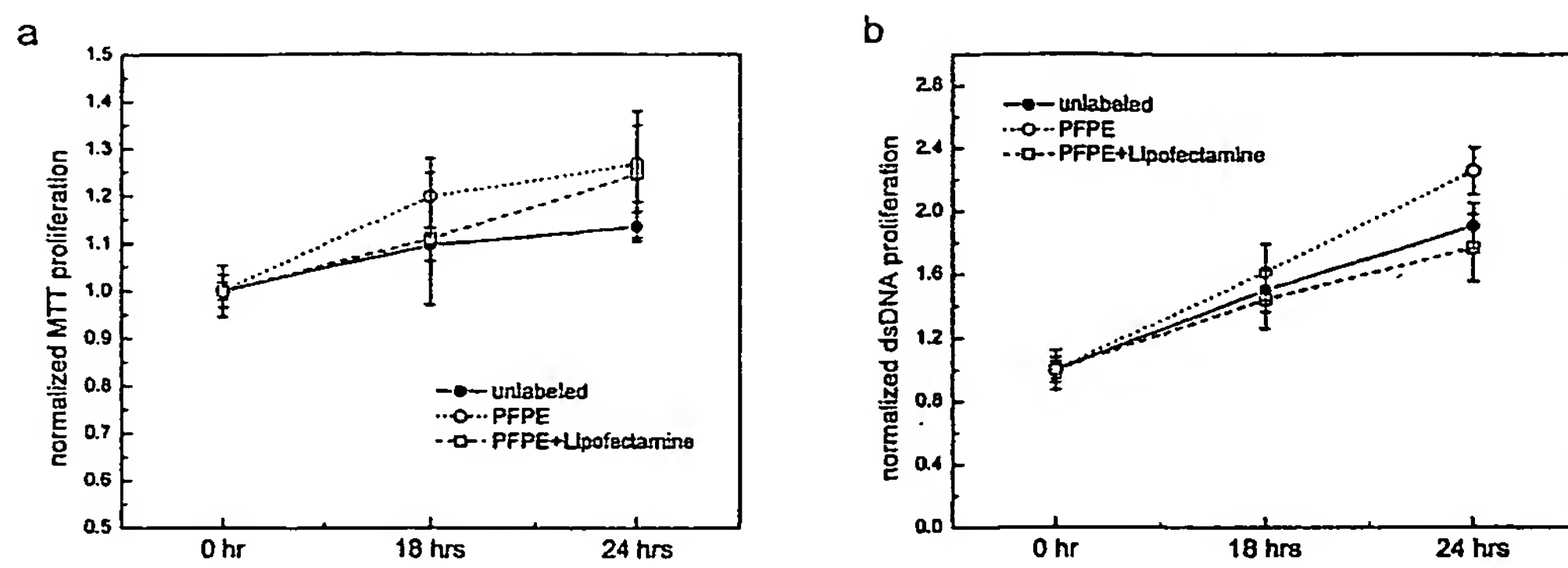
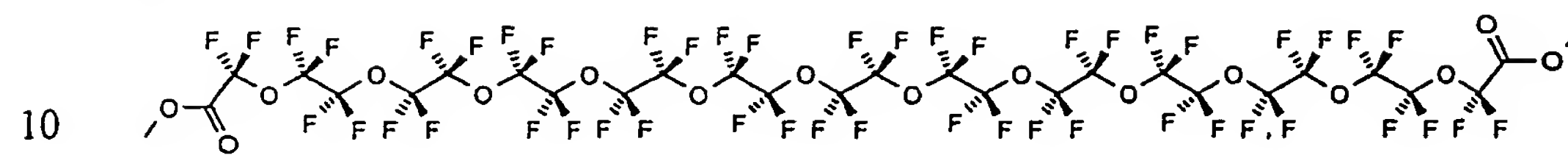


Figure 12.

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A.



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B.

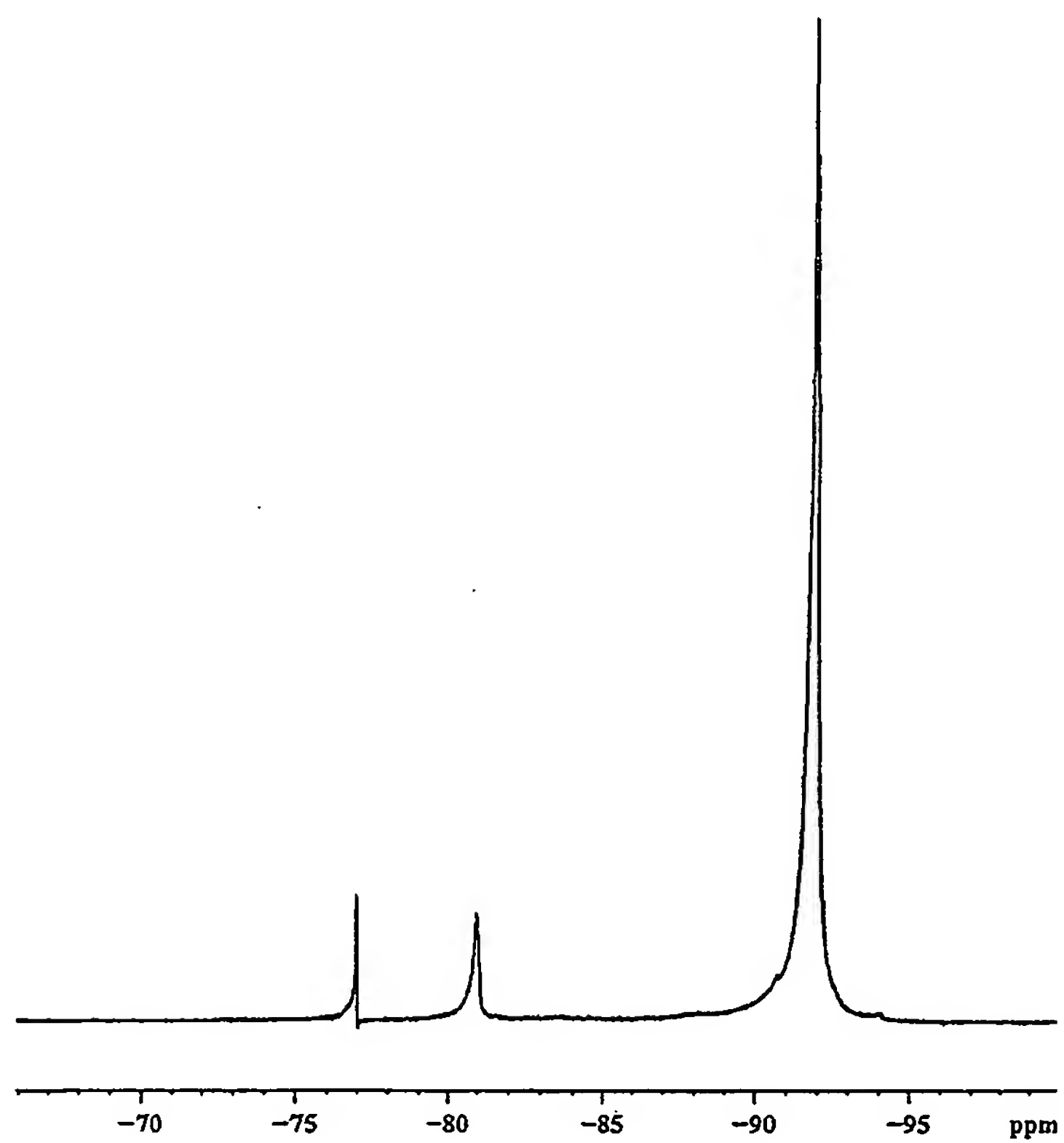


Figure 13.

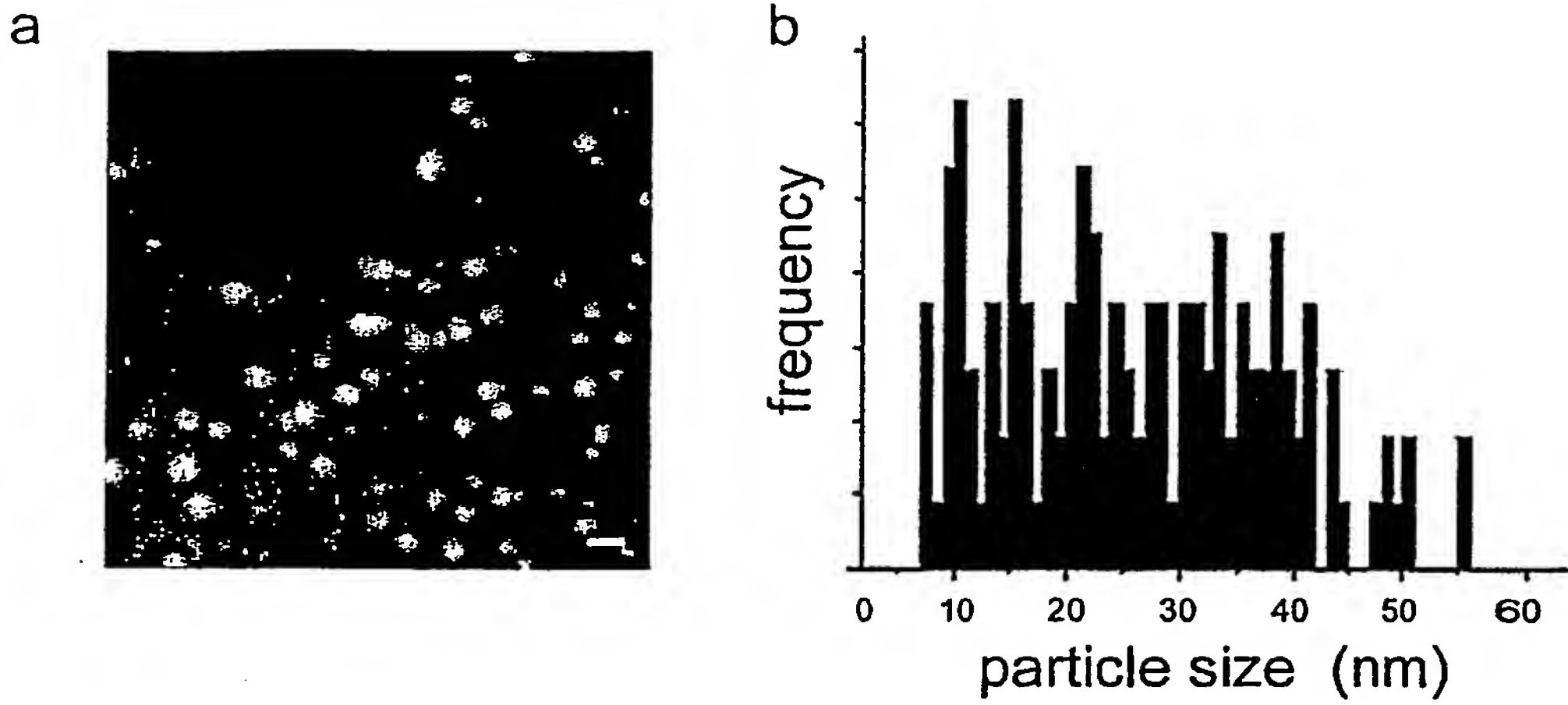
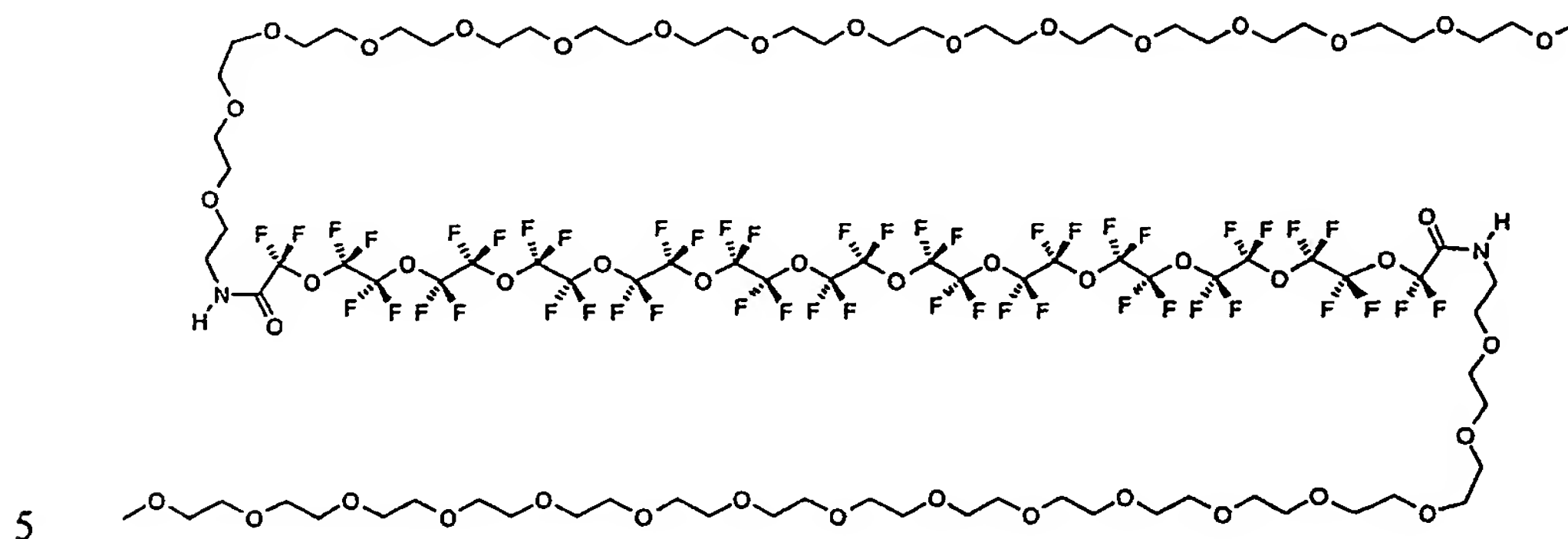
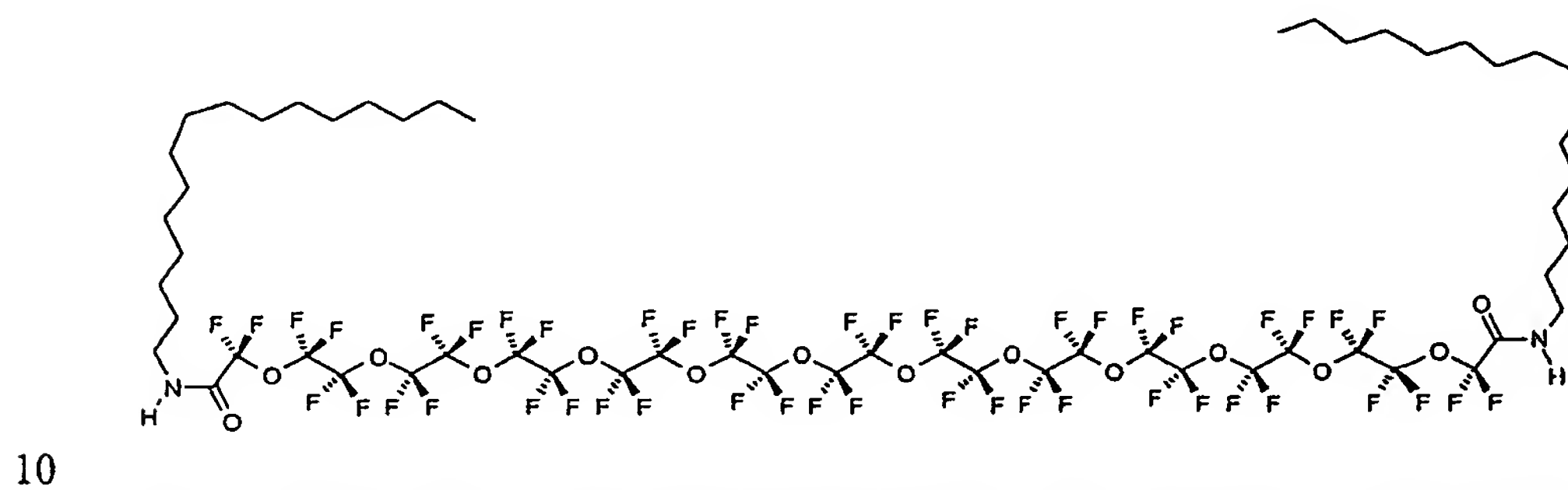
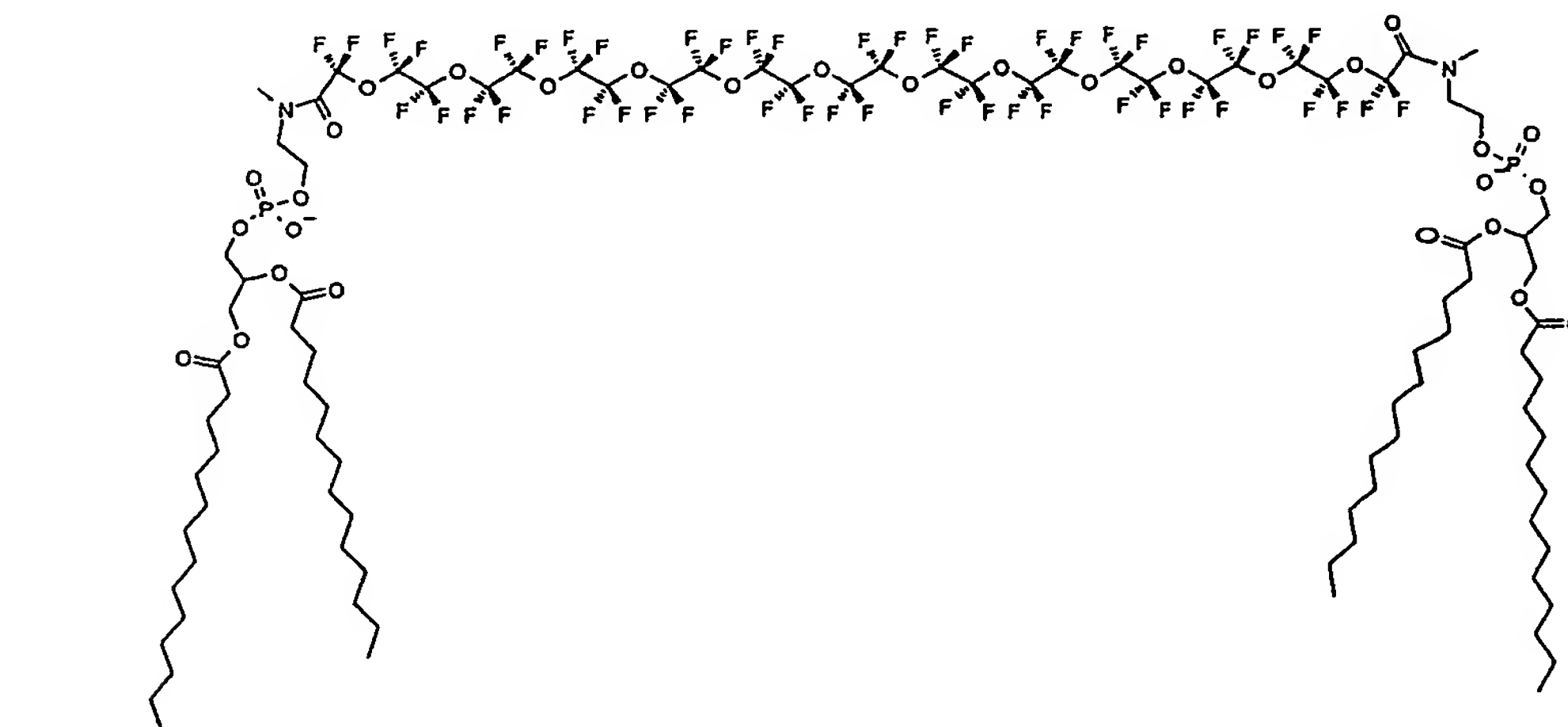


Figure 14.

Rxn 1: PFPE-ester + O-aminoethyl-O'-methyl-PEG 750  $\rightarrow$  PEG2-PFPERxn 2: PFPE-ester + hexadecylamine  $\rightarrow$  bis-hexadecylamido-PFPERxn 3: PFPE-ester + dimyristoyl phosphatidyl ethanolamine  $\rightarrow$  diPE-PFPE

**Figure 14 (cont.)**

Rxn 4a: PFPE-ester + 1,6-diaminohexane  $\rightarrow$  bis-aminohexyl-PFPE-amide

5 Rxn 4b: bis-aminohexyl-PFPE-amide + Cy5-NHS ester  $\rightarrow$  di-Cy5-PFPE

